



MORRIS
LUBRICANTS

Product Information:

VERSIMAX[®] HDII 5W-30 **FUEL EFFICIENT DIESEL ENGINE OIL**

Description

Versimax[®] HDII 5W-30 is a top tier heavy duty diesel specific engine oil that has been designed to meet the necessary chemical limits required to maintain the efficiency of exhaust after-treatment devices, including: DPF's (diesel particulate filters), SCR (Adblue) / EGR NO_x reduction systems, diesel oxidation catalysts (DOCs) and Adblue Slip-Catalysts.

The profile of Versimax[®] HDII 5W-30 provides the highest level of rationalisation potential in mixed fleets where a number of manufacturers, models and engine technologies are being used. The low/mid SAPS (Sulphated Ash, Phosphorus and Sulphur) additive profile coupled with synthetic technology base fluids also ensures a high level of component protection and cleanliness when operating in very severe conditions with extended drain intervals.

Applications

Versimax[®] HDII 5W-30 is designed for use in diesel engines meeting Euro IV, V and VI emission requirements where an oil of this quality is specified. Can also be used in combination of low sulphur diesel fuel (maximum 50ppm) and where any of the following specifications listed below are required by the manufacturer.

Performance Levels

ACEA E4 / E7 / E8 / E11
ACEA E6 / E9
API CK-4
Caterpillar ECF-3
Cummins CES 20081, 20086
DAF PSQL 2.1E-LD
Detroit Diesel 93K218, 93K222
Deutz DQC IV-18 LA
JASO DH-2 -17
MAN M3477, M3271-1
MB 228.31, 228.51
MTU Type 3.1, Type 2.1

Approvals:

MB-Approval 228.52
DTFR-Approval 15C120
Mack EO-S 4.5 Approval
MAN M3677 Approval
Renault VI RLD-3 Approval
Meets Scania LDF-4 specification
Volvo VDS-4.5 Approval

Physical Characteristics

Density @ 15.6 °C	0.862
Viscosity @ 100°C, cSt.	12.25
Viscosity @ 40°C, cSt.	74.62
Viscosity Index	162
Flash Point (closed), °C	190
TBN, mg/KOH/g	12.6
Pour Point, °C	-42

Figures based on average production values.

Part No.s: LDF005 LDF025, LDF205

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